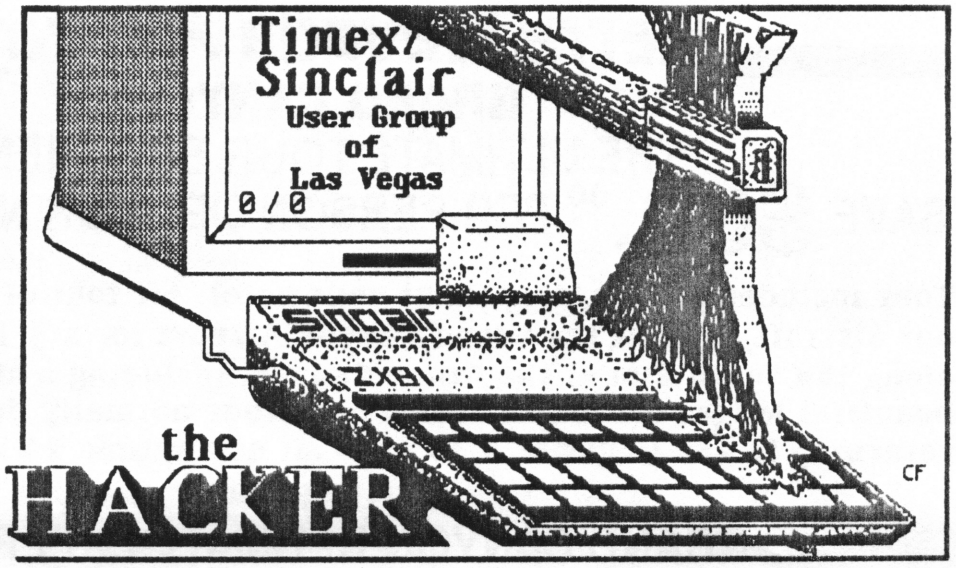

the HACKER

Newsletter Dedicated To All Personal Computers

"the HACKER" is an official publication of the Timex/Sinclair User Group of Las Vegas-a non profit, educational organization. Subscription to the "HACKER" is $15.00 per year (12 issues) and includes membership to TSUG of LV. Please remit to:

Ralph Hammer(treasurer)
2105 Oakwood Ave.
Las Vegas, NV 89030

Meeting Date

LET'S GET TOGETHER

June 21,1990--------6:30 pm
PC SIG ----------7:30 pm

Meetings are held on the 3rd. Thursday of each month, bring a guest. All are WELCOME.

BOARD of DIRECTORS:
CHRIS FENN----------641-4082
RALPH HAMMER--------649-4127
STEVE SAWCHUK--------UNLISTED

CONTRIBUTING STAFF:
STEVE SAWCHUK----- EDITOR IN CHIEF
RALPH HAMMER-------CO-EDITOR
CHRIS FENN--------- ART DIRECTOR
DAWN SAWCHUK-----MAILING DIR.

PSION ORGANIZES SOFTWARE

Psion Inc., maker of the Organizer series of hand-held computers, has released **Psion PC-Four**, a complete office management system for PCs.

PC-Four combines all the most needed business-related programs, a word processor **(PC Quill)**, a spreadsheet **(PC-Abacus)**, a database **(PC-Archive)**, and a business graphics designer **(PC-Easel)** in one package, integrating them under the system-level Task Sequencing Language for completely automatic startup. File transfer between all four components is handled through the ASCII format. Context-sensitive help screens and individual tutorial disks for each component are also included. Psion PC-Four sells for $119.95. Contact PSION for more info.

Sierra Nevada Airways SNA

GRAND CANYON

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VISA **736-6770** MasterCard

Reg. Price $155.00 pp **No Expiration Date** **Mention the "HACKER"**

CHESS GAME OFFERS NEW CHALLENGES

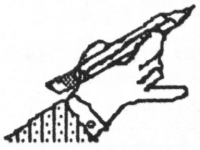
Psion Inc. has released a new Chess program in the U.S.; the game has been popular in Europe. The game features a choice of **standard two- or three-dimensional animated graphics** as well as **28 levels of play**. Players can change levels during a game, switch sides, and force the computer to play the best or next-best move as desired. Chess also permits exhibition play, in which one player faces various opponents. Variable response rates **(1 second to infinity)** cover all standard tournament times. Hints and move analyses are also provided. The player is "educated" about past mistakes via the game's instant recall of the **last 12 moves,** and a facility called "takeback" allows for backtracking and unscrambling.

Psion Chess is available for **PCs, Macintoshes, Ataris, and other systems**. The price of this game is **$59.95**. For more information, you can call **(203) 274-7521**.

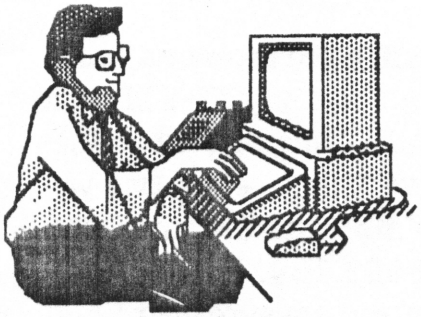
If this game sounds familiar to you, it is similar to the game that was released for the **QL**. Remember how much fun that was.

QUOTE OF THE MONTH

A person who has had a bull by the tail once has learned 60 or 70 times as much as a person who hasn't



==Mark Twain==.



FORMER CAMBRIDGE SALESMAN TRIES DATABASE FOR MAIL ORDERS.....

Nigel Searle, who previously represented the **Z-88** laptop computer from **Cambridge North America,** has begun offering a database of mail-order bargains to anyone willing to pay one percent of the price quoted.

His company, **The Marketing Clinic,** says the philosophy is simple: if you don't save, you don't pay. The service for PC or PC peripheral buyers is available on **weekdays, from 9 AM to 6 PM, Eastern time,** at **603-357-1061**. The number for Macintosh buyers is **603-352-9836**.

Searle explains how the new service, called **Best Buys**, works. "You call me with the product you're seeking. I quote a price, and ask if you're interested. If you say, no thanks, that's the end of the conversation. If you are interested, you give me your credit card number and I tell you where it's available. You can ask additional questions and back out earlier."

Searle adds he may offer the service on a 900 number, if volume justifies it."If we get enough volume we'll move to a 900 number and a totally interactive system. There's a reason 900 numbers are used for television offers. It's a $1,000 per month minimum charge."

Searle also mentioned the sad tale of what happened to the Z-88, a 1-pound, non-DOS compatible laptop with a foam-rubber keyboard users could take to the beach. "Cambridge North America's parent, **Diversified Foods**, got into financial difficulties and the banks went after **Cambridge** to repay those loans because it was the only profitable part of the business," Searle says. **"CNA late last year filed Chapter 11** bankruptcy to protect itself from its parent company's bank, and they continue to operate under Chapter 11, selling the Z-88. But you may have noticed little advertising, because they're very tight on cash -- they're giving it to the bank. Meanwhile, there's a new distributor based in New York, called the **Cambridge Group, just beginning to import the Z-88, and sell it.**" So the story of the Z-88 isn't over -- it's just entered a new chapter.

For more information, you can contact: **Nigel Searle, The Marketing Clinic, the phone number is 603-352-9836**. Check it out maybe he will be able to find that special something that you were looking for and wasn't able to find. You never know what he has on his database, if you don't give him a try first.

by.....John Sumpolec

Now lets see what I can give you of interest this month. The first thing I want to tell you is that **Eric Newhouse**, who does such a great job with his Dirty Dozen listings of Trojan programs, has come out with his latest and best update to the list so far. It is called **DIRTYDZ9.ZIP** on some boards and **DIRTYD9.ZIP** others. **BYTES BBS** and **RAIDERS BBS** has it on the board. If you do any serious out of town BBS'ing or even local BBS'ing, I highly recommend adding this file to your downloads. With this revision, he has added **Vern Berges "LIST" program** so that you can now view selected topics instead of the whole file. This is good if you want to print selected material to the printer as the file is rather long. Among the many topics he lists, he has **15** known Virus infected programs. There are **77 Trojan programs** listed. Did you know that there are **210 known pirated commercial programs on the boards?** Read the list and you will be surprised whats out there. Also he lists **21 hacked or revised programs.** So you can see that this new revised program is a must for all us BBS'ers. So if you don't have it already, get it, ya hear!!

I was scanning the recent uploads section while I was on BYTES BBS one afternoon and I came across two files that looked very interesting. One was called **GOVT.BBS** and the other was called **GOVBBS2.289**. I downloaded both of them and am sure glad I did, as I now have a nice printout of some very good BBS'es that are sponsored by our many government agencies. I never knew that there were so many available. I have had to make many long distance calls to get the information that I could have gotten for much less on their BBS. Of course these boards will cost you some money because they are all out of town, but most are 24 hour and 7 days per week access, so you can call at the cheapest rate times. I thought I would list maybe 8 of them to give you an idea what is out there. If you already have these files on hand, then read the rest of the column anyway.

(1) **DEPARTMENT OF COMMERCE** (Economic News). Located in downtown Washington DC. (202)377-3870 or 377-0433 The public has access to brouse but there is a charge for full access. 24 hour 7/days.

(2) **MICROCOMPUTER ELECTRONICS INFO. CENTER** (National Bureau of Standards) Located in Gaithersburg, MD (301)948-5717 or 5718. Public access with 24 hour 7/day.

(3) **INFORMATION TECHNOLOGY EXCHANGE** (National Oceanic &

Atmospheric Admin.) Located in Kensington, MD ((301)770-0069. Public access 24 hours 7/days.

(4) **DEPARTMENT OF NAVY** (Naval Aviation News Computer Center) Located in Washington, DC (202)475-1973. Public access 24 hours 7/days.

(5) **DEPARTMENT OF TRANSPORTATION** (Federal Highway Admin.) Located in downtown Washington, DC (202)426-2961. Public access 24 hours 7/days.

(6) **N A S A** (Information Technology Center) Located in Washington, DC.(202) 646-6197. Public access 24 hours 7/days.

(7) **VETERNS ADMINISTRATION** Located in Washington, DC (202)376-2184. Public access 24 hours 7/days.

(8) **NATIONAL WEATHER SERVICE BBS** There are several locations and numbers given, one being (617)567-8383 and located in Boston, MA. Public access & no fee but must have ID#.

So there is a very small sample of the BBS'es you can contact for the price of the long distance call. I would suggest that you download both files before you contact any of the above. Some have special instructions and most list both the data phone number and a voice phone number and also the SYSop name if you get in trouble. I was thinking of contacting the NASA BBS before a shuttle launch and get the data on the launch and then put that data into STS26 program and then track its progress on the computer. Every time they show Mission Control, you can see the tracking on their back wall. Well, with STS26, you can have the same thing. There, I gave you shuttle freaks some good information. (As if you didn't already know).

I just finished my log-on to RAIDERS BBS just a bit ago, and I have to say that the past week or so on the board has been a real interesting one. There has been some real heated discussions on whether Pres. Bush was right in sending troops to Panama to get Noreiga out and if it will be worth the deaths when it is all over. You never seen so many pros and cons on one subject. Just log on and read the messages and you will get an education in political history. While I am speaking of RAIDERS, I want to commend Doug Crowe for securing the many many top quality programs he has obtained. We will be looking to him for the best in 1990.

If you readers havn't signed up on our BYTES BBS as yet, lets get with it this year. We can have a top BBS with lots of files if we get behind the board and give it all our support. Lonnie Odom is doing his best to give us the best. If you have some good programs in your files, lets get them on the board. There is lots of room on the hard drive for them. Even though there is no U/L to D/L ratio for User

Group members, don't just take without some give. Lets shoot for 1500 files in 1990. We can do it.

Well all you BBS'ers, it is time for me to say ADO. With my increased duties as Secretary of the IBM-PC User Group, I figured it was time to get some other User Group member to do some writing, so this will be my last writing of the BBS BEAT column. I really enjoyed writing the column and wished I could continue, but like I said, I will have enough to do. So Thanks for reading my column. Happy BBS'ing and Computing.

Editors note: Many thanks to John for his articles. Without his column, we wouldn't of had much to fill the n/l with.

You've heard of PROFILE 2068.
You may have even heard of PROFILE +3!
But we are willing to bet that you have never heard of:

PROFILE +5!

That's right! PROFILE +5! A great new addition to the lin of PROFILE updates. We have used all of the various versions of this program and can honestly say that this i the ULTIMATE PROFILE!

+5 contains all of the features of PROFILE 2068 and +3 a well as all of the new features of TOM WOODS' PROFILE CARTRIDGE! Including the 'NOT' and 'OR' search routines. It also lets you print in 80 columns! It still has the 'NAME REVERSAL' print feature and the 'EDIT A PHRASE' men option. You can now 'MERGE' files, 'DATE' files and make use of the great machine code sort routine!

All of this is available in several ways, if you already own one or more versions of PROFILE, you will be able to save some money on this version. the complete program on cassette available for:

ONLY $29.95+2ph

(User Manual available only from TOM WOODS for $10.00)
For more information, please call or write:

AVAILABLE EXCLUSIVELY FROM:

RMG ENTERPRISES
1419 1/2 7TH STREET
OREGON CITY, OR 97045
503/655-7484

5+5+5+5+5+5+5+5+5+5+5+5+5+5+5+5

HACKER GETS THREE NEW SUBSCRIBERS

This last month has been a huge success with the help of **Mr. Rod Gowen** and his efforts to inform his readers of the "HACKER" newsletter. With his help we have aquired three new subscribers. At this time I would like to introduce the the other readers:

William Roldan----Bronx, N.Y.
Marinus Heuseveldp--Lake Worth, Florida
Louis Simon--Bridgeport, CT.

We of the HACKER welcome these folks and hope that they remain a subscriber to the newsletter for a long time. again **WELCOME ABOARD.**

THINK ABOUT THIS !!!

To be without some of the things you want is an indispensable part of happiness.

Until you make peace with who you are, you'll never be content with what you have.

It's not easy taking my problems one at a time when they refuse to get in line.

THE HONEST TRUTH

by.....Ralph Hammer

As I sit here at my desk at 2:00 in the morning, sifting through some of the newer newsletters we have recieved these past few months, I come across an item of interest to all of us. More and more, groups are beginning to incorporate the MS-DOS mode into their midst, or they are combining with groups that have the Macs, Commos, Ataris, and PC's. Should we be scared, frightened, or maybe just a little bit alarmed? No way, Jose'..

The way I see it, we are joining up with some old friends who left our ranks, to expand the growth in personal computing. Some of these folks cut their baby teeth on the Sinclair and Timex rattle, weaned into the whole milk of expanding memories, floppy disks, and hard drives. If I recall some remarks made by some nameless so and so's, they blasted us to kingdom come.

Well, it has gone full circle now. We have come to the realization that we cannot live on bread alone, that we have to have the salt too. The ones that blasted us have taken on their own Big Brother. I can only say,,, AMEN

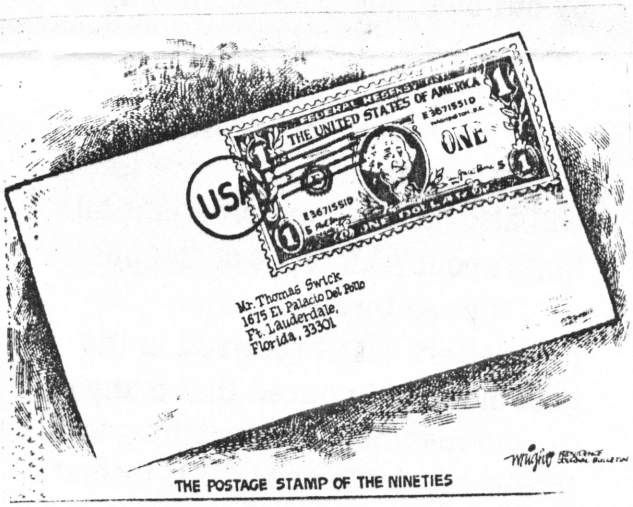
As reported earlier in the N/L, I too have gone into the MS-DOS world. My Timex/Larken setup is still serving me well, I'm still going to publish the program LLISTings. Speaking of which, we have a couple of them for you all this month, see the last page. One of them came in to us from **Jerry Ebsen in Iowa**. Thanx Jerry.

My T/S-Larken is still waiting for **Kenny's DTP** to hit the stands. Not unlike his **Maxcomm**, it will get a workout from me. Maybe soon, Rod will be sending us all the order forms, eh Rod?

A note to **George Chambers**. A hearty thanx for your offer of help on Maxcomm. I know I wasn't too clear on my specific problem, but it is better since I picked up the manual, and started from scratch. After all, that's what friends and manuals are for.

Big things are still going on in the Sinclair world, so let's all hang in there. **Jack Dohaney** is still on the prowl. The **SNUG Organization** is keepin' on. Who knows, we have another generation or two to break in, and someone there will come along and do fantastic things with T/S's.

See ya all soon!!!



THE POSTAGE STAMP OF THE NINETIES

WELL, my vacation has come to an end. The wedding of my niece was held on the 28th. of April in Reno, NV. Around 350 guests attended the affair, along with some of my relatives of which I have not seen in over 30 years.

Now it is time for me to get back home to some serious computing. The HACKER is about to undergo a major face-lift within the next few weeks, and should be completed by the next issue. It is the hope of the HACKER staff to provide its readers with the best publication possible. The newsletter will not have many changes, but will have an easier reading format along with a cleaner type-face. We hope that you will enjoy the newsletter. We will also include the latest laptop to hit the market. The **MC-400** will be covered by our own computer-collecting wizzard.

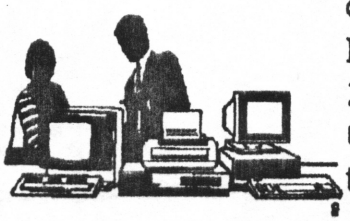
The new format will also include many new pieces of art and even some scanned images. Future issues will also include new programs and hints about ALL types of computers. As I flipped through some newsletters that I received in the past months, I noticed that many of the old members are switching to the IBM-compatable or MS-DOS format of computing. Even though one might think that this is a form of jumping ship on ole' Sir Clive, I say "NAY" to that matey. I have a Z88, a 2068, a 1500, a 1000 and a Tandy 1000 A. When possible I use them all. Does that make me a bad guy? In this day in age one must use what one has to, to get the job done. I've been called a traitor for not using a Sinclair-type computer for the newsletter, but the real reason is "it's not what machine you use to write about relating to Timex-Sinclair computing, it's what you put in the newsletter about computing".

Compute anyway you wish but just remember, you learned it from Sir Clive first. Give credit where credit is due. As I mentioned earlier in this article, more and more Sinclair-users are using other machines and sharing their experiences at the group meetings. Hey! that's great. We held our first night meeting on the 17th. of May and I am happy to say that the meet was the best one we have had in a long time. The reason being that all who attended, were speaking the SAME language. " The love of computers". We did some show-and-tell, helped iron out some computing problems and swaped some shareware programs.

I feel that the introduction of different types of computers will be an asset to the group. So lets keep those fresh ideas rolling in and make the group flourish to a fun place to be when we meet.

Ed.note: This was done on the Z88 while on the road from Reno to Las Vegas

SOFTWARE REVIEW



by.....R.HAMMER

CAVEMAN UGH-LYMPICS
Software by Electronic Arts
Applicable Computers: Tandy, Commodore, IBM PC family, Compaq
Supports CGA, EGA 1-6 players

As the elders of the Trogladites, Boo-Yaas, and various other Neanderthal tribes sat around the lightning-ignited fire, making the rounds of their favorite lite beer, munching on the deli-prepared Tyranasaurus Rex drumsticks, and watching the local Pterodactyl-hang-gliding, a discussion emerged on sports. Why not have a competition between the tribes to see just who was the best athletes.

And so, the first olympics was born, or should we say, **UGH-LYMPICS**. It was a UGH-LY sight to behold, for not only did you have to best the other competitors, but the hungry reptiles and tigers were hiding around every corner.

There are six events that you must excel in to chisel your name to stone in the Caves of Fame. I'll highlight each one for you.

1. **CLUBBING** - Grab your favorite fifty-pound Ka-Banger and Ka-nock your opponent off the pedestal. First, you intimidate him, and then you knock his limited brains out.

2. **SABERTOOTH TIGER RACE** - Outdistance your opponent and a hungry tiger. Dirty tricks are not unheard of, and watch out for the cactus bushes and the quicksand pits.

3. **FIREMAKING** - Beat the clock to see who starts the first fire by rubbing two sticks together, then huffing and puffing on the sparks. If your opponent gets ahead of you, then beat him over the head.

4. **DINOSAUR RACE** - Ride 'em, caveboy. Hop into the saddle of a pea-brained dino, spur it into forward motion, and Hi-Yo silver. If you don't negotiate the streams and rockpiles, then you eat lots of dust.

5. **DINO VAULT** - 'Tis not easy to pole-vault over a hungry Tyranasaurus Rex. His neck extends from 20 to 26 feet.

6. **MATE TOSS** - I suppose there are a few of you out there that might wish that this one was still being practiced. Grab your mate by the feet, swing around with all your might, and see her zoom through the air.

Since this is the year of the goodwill games, you just might want to try this one out. Challenge your favorite Neanderthal, or go solo. Only the best caveman will win.

Since there is no on-disk copy protection, make your working disks, hide out the masters, and go for the gusto. Joysticks are definitely a plus. The graphics are comical but great. There is some hilarious caricatures within the confines of these disks.

If you can't find any fun with this game, then, you are still a Neanderthal.

```
   2 GO SUB 2000
  10 LPRINT "Printer commands th
at work,": POKE 64456,0: LPRINT
CHR$ 27;CHR$ 45;CHR$ 1: POKE 644
56,1: LPRINT "YOU MUST HAVE A FU
LL SIZE PRINTER FOR THIS PROGRAM
 TO WORK,": POKE 64456,0: LPRINT
 CHR$ 27;CHR$ 45;CHR$ 0;: POKE 6
4456,1
  20 LPRINT : LPRINT "You must f
irst poke 64456,0 to get out of
normal mode"
  30 LPRINT "Then LPRINT CHR$X;
CHR$ Y; CHR$ Z; Type of format"
  35 LPRINT "OR YOU CAN USE THE
ASCII LETTER EXAMPLE LPRINT CHR$
27; ""S""; ""1"" THIS SUBSCRIPTS
THE LETTERS"
  40 LPRINT "You must next poke
64456,1 to  turn on your printe
r s/w, then  execute your LPRINT
statement.  You can go back and
form with  poke and LPRINT CHR
$ formats"
  50 LPRINT "Don't forget ": POK
E 64456,0: LPRINT CHR$ 27;CHR$ 4
5;CHR$ 1;: POKE 64456,1: LPRINT
POKE 64456,0 turns it off, and
POKE 64456,1 turns it on": POKE
64456,0: LPRINT CHR$ 27;CHR$ 45;
CHR$ 0
  60 POKE 64456,1
  70 LPRINT "Lprint CHR$ 27; CHR
$ 49;for linespacing (7/72) ON O
FF LPRINT CHR$27;CHR$69;"; "Examp
le follows": POKE 64456,0: LPRIN
T CHR$ 27;CHR$ 49;
  80 POKE 64456,1: FOR A=1 TO 5:
  90 LPRINT "THIS IS CLOSED LINE
SPACING (7/72)"
 100 NEXT A
 105 LPRINT "OTHER LINE SPACING
IS AVAILABLE 1/6 N/216 N/72 N=N/
NUMBER OF SPACES"
 110 POKE 64456,0: LPRINT CHR$ 2
7;CHR$ 65;: POKE 64456,1
 130 POKE 64456,0: LPRINT CHR$ 1
4: POKE 64456,1
 140 LPRINT CHR$ 14;"THIS IS A L
ARGE TEXT EXAMPLE LPRINT CHR$ TU
RNS IT ON": LPRINT " LPRINT CHR$
 20 TURNS IT OFF"," LPRINT CHR$
14 MUST BE USED WITH THE STATEME
NT"
 145 POKE 64456,0: LPRINT CHR$ 2
0;: POKE 64456,1
 146 LPRINT
 150 POKE 64456,0: LPRINT CHR$ 2
7;CHR$ 15;: POKE 64456,1
 160 LPRINT CHR$ 15;"THIS IS AN
EXAMPLE OF CONDENSED PRINT": POK
E 64456,0: LPRINT CHR$ 18;: POKE
 64456,1
 170 LPRINT "FOR CONDENSED PRINT
 ON LPRINT CHR$ 15, LPRINT CHR$
18; OFF"
 180 REM POKE 64456,0: LPRINT CH
R$ 27;CHR$ 69;: POKE 64456,1
 190 REM LPRINT "THIS IS ELITE T
EXT - TURN ON LPRINT CHR$ 17;CHR
$ 69; TO TURN OFF, USE ANY OTHER
 FORMAT (PICA ETC)."
 200 POKE 64456,0: LPRINT CHR$ 2
7;CHR$ 112;CHR$ 49;: POKE 64456,
1
 210 LPRINT "THIS IS PROPORTIONA
L PRINTING - ON USE LPRINT CHR$
27;CHR$ 112;CHR$ 49;:TO TURN OFF
, LPRINT CHR$ 27;CHR$ 112;CHR$ 48

 220 POKE 64456,0: LPRINT CHR$ 2
7;CHR$ 112;CHR$ 48;: POKE 64456,
1
 240 POKE 64456,0: LPRINT CHR$ 2
7;CHR$ 45;CHR$ 1;: POKE 64456,1
 250 LPRINT "THIS IS AN EXAMPLE
OF UNDERLINED. TURN ON USE LPRIN
T CHR$ 27;CHR$ 45;: TURN OFF USE
 LPRINT CHR$ 27;CHR$ 45;CHR$ 0;
 WORKS WITH OTHER COMMANDS,": PO
KE 64456,0: LPRINT CHR$ 27;CHR$
45;CHR$ 0;
 300 POKE 64456,0: LPRINT CHR$ 2
7;CHR$ 52;: POKE 64456,1
 310 LPRINT "THIS IS A SAMPLE OF
 ITALICS. TURN ON USE LPRINT CHR
$ 27,CHR$ 52;: TURN OFF USE LPRI
NT CHR$ 27;CHR$ 53;. WORKS WITH
MOST FORMATS,": POKE 64456,0: LP
RINT CHR$ 27;CHR$ 53;
 350 POKE 64456,0: LPRINT CHR$ 2
7;CHR$ 71;: POKE 64456,1
 360 LPRINT "THIS IS A SAMPLE OF
 DOUBLE STRIKE. TURN ON USE LPRI
NT CHR$ 27;CHR$ 71;: TURN OFF US
E LPRINT CHR$ 27;CHR$ 72;"; "WORK
S WITH MOST FORMATS,": POKE 6445
6,0: LPRINT CHR$ 27;CHR$ 72;: PO
KE 64456,1
 400 POKE 64456,0: LPRINT CHR$ 2
7;CHR$ 69;: POKE 64456,1
 410 LPRINT "THIS IS EMPHASIZED
MODE. TURN ON USE LPRINT CHR$ 27
;CHR$ 69; OR ""E"". TURN OFF USE
 LPRINT CHR$ 27;CHR$ 70; OR ""F"
". SHOULD WORK WITH MOST FORMATS
": POKE 64456,0: LPRINT CHR$ 27
;CHR$ 70;: POKE 64456,1
 420 POKE 64456,0: LPRINT CHR$ 2
7;"S";"1";: POKE 64456,1
 430 LPRINT "THIS IS SUBSCRIPT",
 LPRINT CHR$ 27;""S"";""1"";OR LP
RINT CHR$ 27;CHR$ 83;CHR$ 49;"T
" TURN OFF, LPRINT CHR$ 27;""T""

 450 POKE 64456,0: LPRINT CHR$ 2
7;"T";"1";: POKE 64456,1
 460 POKE 64456,0: LPRINT CHR$ 2
7;"S";"0";: POKE 64456,1
 470 LPRINT "THIS IS SUPERSUBSCR
IPT";". TURN ON USE LPRINT CHR$
27;""S"";""0"", OR CHR$ 27;CHR$
83;CHR$ 48;. OFF USE LPRINT CHR$
 27;""S"";""T"";""0""
 475 POKE 64456,0: LPRINT CHR$ 2
7;"T";"0";: POKE 64456,1
 480 POKE 64456,0: LPRINT CHR$ 2
7;"A";: POKE 64456,1
 490 FOR A=1 TO 4
 500 LPRINT "YOUR NAME HERE"
 503 NEXT A
 510 LPRINT "LARGE VERTICAL TABS
";"TURN ON USE LPRINT CHR$ 27;""
A"";OR CHR$ 56;: TURN OFF LPRINT
CHR$ 64; "
 520 POKE 64456,0: LPRINT CHR$ 2
7;CHR$ 64;: POKE 64456,1
 560 LPRINT "I HOPE THIS WILL OF
SOME HELP TO ANYONE WITH A FULL
 SIZE PRINTER."
 570 PRINT "THERE'S MORE COMMAND
S, BUT THIS PROGRAM IS QUITE LAR
GE, YOU ARE INVITED TO EXPERIMEN
T."
 600 STOP
2000 CAT "PRTLOADER.BIN",
2010 RANDOMIZE USR 6400
2020 RETURN
3000 MOVE "PRTCOMMANDS.BAS",2
```